

ABSTRACT OF THE DISCLOSURE

5 formats are selected for the forward and return data links respectively such that the forward data electromagnetic beam serves as a carrier for the return data. A method of encoding optical information is used wherein right-hand and left-hand circular polarizations are assigned to optical information to represent binary states. An application for an earth to low earth orbit optical communications system is presented which implements the full-duplex communication and circular polarization keying modulation format.

F:\PAPS\NMSU\SHAY-FullDuplex.pap.doc